

SEQUENCE LISTING

SEQ ID NO:1: T7 RNAP recognition sequence
TAATACGACTCACTATAGGGAGA

5 SEQ ID NO:2: SP6 RNAP recognition sequence
ATTAGGTGACACTATAGAAGAA

SEQ ID NO:3: T3 RNAP recognition sequence
AATTAACCCTCACTAAAGGGAGA

10 SEQ ID NO:4: K11 RNAP recognition sequence
AATTAGGGCACACTATAGGGAGA

15 SEQ ID NO:5: spacer sequence
(A)₁₂₋₂₀

SEQ ID NO:6: spacer sequence
(T)₁₂₋₂₀

20 SEQ ID NO:7: spacer sequence
(C)₁₂₋₂₀

SEQ ID NO:8: spacer sequence
(G)₁₂₋₂₀

25 SEQ ID NO:9: spacer sequence
(XY)_n

30 SEQ ID NO:10: spacer sequence
AAAGGGAAGAGAGAGG

SEQ ID NO:11: spacer sequence
CTTTTTTTCTTCCC

35 SEQ ID NO:12: spacer sequence
GCGCCCGC

SEQ ID NO:13: spacer sequence
ATTTAATT

40 SEQ ID NO:14: spacer sequence
CAAACCCAA

45 SEQ ID NO:15: RNAP active site sequence
Lys-Xaa-Xaa-Xaa-Xaa-Xaa-Xaa-Xaa-Tyr-Gly-Ser

SEQ ID NO:16: AMP010 Amplification Primer
AATTTAATACGACTCACTATAGGGAGAGAGAGAGAGACTCCTAAAGTC
ACTCCTAACG

50

SEQ ID NO:17: AMP011 Amplification Primer (T7 Promoter)
AATTTAATACGACTCACTATAGGGAGAGAGAGAGAGAGCTATTCGCCG
TGTCCTCTCG

5 SEQ ID NO:18: AMP011S Amplification Primer (T7 Promoter S)
AATTTAATACGACTCACTATAGGGAGAAGGAGAAAAAGAGCTATTCGCCG
TGTCCTCTCG

10 SEQ ID NO:19: AMP012 PCR Primer
GCTATTCGCCGTGTCCCTCTCG

SEQ ID NO:20: AMP013 PCR Primer
CTCCTAAAGTCACTCCTAACG

15 SEQ ID NO:21: Bump003 Bumper Primer
CTGTGTCCCTATCTGTTACA

20 SEQ ID NO:22: AMPSig5-B Signal Oligonucleotide
CCATCCTAAAGCCAACACCTAA

SEQ ID NO:23: AMPSig5AS-B Signal Oligonucleotide
TTAGGTGTTGGCTTTAGGATGG

25 SEQ ID NO:24: (T7 Promoter)
AATTTAATACGACTCACTATAGGGAGAGAGAGAGAGAGA

SEQ ID NO:25: (T7 Promoter S)
AATTTAATACGACTCACTATAGGGAGAAGGAGAAAAAGA

30 SEQ ID NO:26: Amplicon
AATTTAATACGACTCACTATAGGGAGAGAGAGAGAGAGACTCCTAAAGTCACCTCCTAAC
TTAAATTATGCTGAGTGATATCCCTCTCTCTCTCTCTCTGAGGATTCAGTGGAGGATTG

35 ~~GTCCATCCTAAAGCCAACACCTAAAGCCTACACCTAAAGACCCATCAAGTCAACGCCTAT~~
~~CAGGTAGGATTTTCGGTTGTGGATTTCGGATGTGGATTTCTGGGTAGTTCAGTTGCGGATA~~

CTTAAAGTTTAAACATAAAGACCAGACCTAAAGACCAGACCTAAAGACACTACATAAAGA
GAATTTCAAATTTGTATTTCTGGTCTGGATTTCTGGTCTGGATTTCTGTGATGTATTTCT

40 CCAGACCTAAAGACGCCTTGTTGTTAGCCATAAAGTGATAACCTTTAATCATTGTCTTTA
GGTCTGGATTTCTGCGGAACAACAATCGGTATTTCACTATTGGAATTAGTAACAGAAAT

TTAATACAACCTCACTATAAGGAGAGACAACCTTAAAGAGACTTAAAAGATTAATTTAAAT
AATTATGTTGAGTGATATTCCTCTCTGTTGAATTTCTCTGAATTTTCTAATTAAATTTTA

45 TTATCAAAAAGAGTATTGACTTAAAGTCTAACCTATAGGATACTTACAGCCATCGAGAGG
AATAGTTTTTCTCATAACTGAATTTCAAGATTGGATATCCTATGAATGTCGGTAGCTCTCC

50 GACACGGCGAATAGC 581
CTGTGCCGCTTATCG

SEQ ID NO: 27: spacer sequence of Amp011
GGGAGAGAGAGAGAGAGA

- 5 SEQ ID NO: 28: spacer sequence of Amp011Sc
GGGAGAAGGAGAAAAAGA

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